

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for increasing voice recognition rate in a voice recognition system comprising:
- establishing a reference model for user voices subjected to recognition;
 - receiving the user voices for voice recognition commands;
 - detecting the range and characteristics of the received voice data;
 - comparing the range and characteristics of the detected voice data with the characteristics of the previously obtained reference voice model to retrieve a word having the largest similarity;
 - comparing the similarity of the retrieved word with the similarity reference value to report a voice recognition failure when the compared result is below the reference value, and to report a voice recognition success and perform the command corresponding to the recognized word when the compared result is at least the reference value; and
 - modifying the reference voice model based on the characteristics of the voice data which succeeded in the voice recognition ~~into the reference voice model which was used in the corresponding voice recognition.~~

2. (Previously Presented) The method in accordance with claim 1, wherein the characteristics of the voice data are expressed in characteristic vectors which are applied with entering patterns including at least one of LPC(Linear Predictive Coding) coefficient, cepstrum and differential cepstrum coefficient.

3. (Currently Amended) A method for increasing voice recognition rate in a voice recognition system comprising:

detecting the characteristics of voice data received from a user;

comparing the detected characteristics with a previously established reference voice model to judge success or failure of the voice detection; and

~~establishing each of the voice data succeeded in the voice detection to~~ updating the reference voice model of the corresponding voice using the voice data received from the user upon a judged success of the voice detection.

4. (Previously Presented) The method of claim 3, wherein the characteristics of the voice data are expressed in vectors.

5. (Previously Presented) The method of claim 4, wherein the vectors are determined using at least one of Linear Predictive Coding (LPC) coefficient, cepstrum and differential cepstrum coefficient.

6. (Previously Presented) The method of claim 3, further comprising:
performing an operation associated with the reference voice model upon success
of the voice detection.

7. (Previously Presented) A voice recognition method comprising:
comparing voice data from a user with a reference voice model of previously
entered voice data.
determining if the voice data from the user corresponds to the reference voice
model; and
updating the reference voice model using the voice data from the user, upon a
positive correspondence of the reference voice model and the voice data from the user.

8. (Previously Presented) The method of claim 7, wherein the voice model comprises
voice data expressed in vectors.

9. (Previously Presented) The method of claim 8, wherein the vectors are determined
using at least one of Linear Predictive Coding (LPC) coefficient, cepstrum and differential
cepstrum coefficient.

10. (Previously Presented) The method of claim 8, wherein updating the reference voice model comprises:

generating vectors representing the voice data from the user;

combining the vectors representing the voice data from the user with the vectors of the voice model, thereby updating the voice model.

11. (Previously Presented) The method of claim 7 wherein determining if the voice data from the user corresponds to the reference voice model comprises:

comparing a similarity of the voice data from the user to the reference voice model; and

indicating the positive correspondence if the similarity is greater than or equal to a reference value.

12. (Previously Presented) The method of claim 11 wherein comparing the similarity comprises:

comparing similarity of the voice data from the user to a plurality of reference voice models of a plurality of previously entered voice data; and

selecting the reference voice model that has the largest similarity.

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13. (Previously Presented) The method of claim 11 further comprising:
indicating a recognition failure if the similarity is less than the reference value.
14. (Previously Presented) The method of claim 7 further comprising:
indicating the positive correspondence of the reference voice model and the voice
data from the user; and
performing an operation associated with the reference voice model.
15. (Previously Presented) The method of claim 7, wherein the voice data from the
user represents at least one of a word, a phrase, and a command.
16. (Previously Presented) The method of claim 15, wherein the reference voice
model is associated with at least one of a word, a phrase, and a command.
17. (Previously Presented) The method of claim 16, further comprising:
executing the command associated with the reference voice model upon the
positive correspondence of the reference voice model and the voice data from the user.
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